

**To:** Sorrenson - DNR, Allen[allen.sorenson@state.co.us]  
**Cc:** Bruce Stover - DNR[bruce.stover@state.co.us]  
**From:** Way, Steven  
**Sent:** Fri 12/5/2014 1:06:15 AM  
**Subject:** RE: G K mine portal rehab - revised plan

Sounds good. That's what I was thinking for pipe. There's a need to reset the grade / elevation at the top of the dump (at least part of it) and the outlet channel if we have to cut 5 ft down to get to the floor of the adit. That's different challenge but something I need to have them add.

Thanks for the information and quick look at this.

Steve

**From:** Sorrenson - DNR, Allen [mailto:allen.sorenson@state.co.us]  
**Sent:** Thursday, December 04, 2014 5:56 PM  
**To:** Way, Steven  
**Cc:** Bruce Stover - DNR  
**Subject:** Fwd: G K mine portal rehab - revised plan

Steve, this looks good to me. As we discussed, I would have them put in two, maybe even three six inch smooth wall hdpe drain pipes in the bedding below the culvert. A six inch smooth wall pipe at one percent grade can move 300 gpm without any trouble. The flow at Gold King is likely to increase once the Red and Bonita is plugged.

Bruce, what-say-you? (Steve has our spec and drawing for CSP adit closure).

----- Forwarded message -----

**From:** Way, Steven <way.steven@epa.gov>  
**Date:** Thu, Dec 4, 2014 at 3:28 PM  
**Subject:** G K mine portal rehab - revised plan  
**To:** "Allen.Sorenson@state.co.us" <Allen.Sorenson@state.co.us>

Allen,

If you have time to look this over and offer any comments that would be great.

Thanks,

Steve

Steven Way

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US EPA - Region 8

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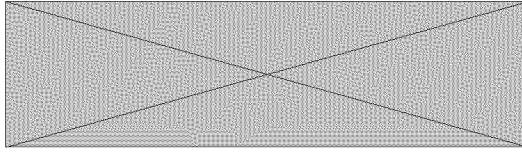
Office: 303-312-6723

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**Allen C. Sorenson**

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Inactive Mine Reclamation Program



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